

ABSTRACT

One embodiment of the invention involves a data structure that is stored on a computer-readable medium comprising a sorted portion that contains a plurality of entries that are sorted into an order, an unsorted portion that contains a plurality of entries that have not been sorted, and a boundary that separates the sorted portion and the unsorted portion. The sorted portion of the data structure may be searched with $O(\log N)$ performance while an entry is added to the unsorted portion.